



Examining $Y=KX$

Name: _____

Solve each problem.

- 1) A baker used the equation $Y=KX$ to calculate that he had made \$41.72 after selling 4 boxes of his cookies. How much did he make per box?

- 2) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 9 ice cream bars. He determined he'd make \$10.71. How much did he make per bar sold?

- 3) The equation $Y=KX$ shows you would make \$31.95 for recycling 9 pounds of cans. How much would you make if you recycled 3 pounds?

- 4) A florist used the equation $52=(26)2$ to determine how many flowers she'd need for 2 bouquets. How many flowers would she need for 9 bouquets?

- 5) At the hardware store you can buy 4 boxes of bolts for \$12.80. This can be expressed by the equation $Y=KX$. How much would it cost for one box?

- 6) To determine how many pages would be need to make 3 books you can use the equation, $264=(88)3$. How many pages would be in 8 books?

- 7) A movie theater used $Y=\{VARKX\}$ to calculate how much money they made selling buckets of popcorn where Y is the total and K is the price per bucket. How much would they make if they sold 9 buckets?

- 8) A grocery store paid \$73.17 for 3 crates of milk. This can be expressed by the equation $Y=KX$. How much was it for one crate?

- 9) Haley used the equation $Y=KX$ to determine she would need 78 beads to create 2 necklaces. How many beads did she use per necklace?

- 10) An industrial printing machine printed 800 pages in 2 minutes. How much would it have printed in 3 minutes?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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Answers

1. **\$10.43**
2. **\$1.19**
3. **\$10.65**
4. **234**
5. **\$3.20**
6. **704**
7. **\$42.84**
8. **\$24.39**
9. **39**
10. **1200**